

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions of claims in the application:

Listing of Claims:

1. (Currently amended): An endoscopy system ~~comprising~~ comprising:
_____ a cannula ~~for housing an endoscope and for forming,~~
_____ an irrigation channel and an outflow channel formed respectively between the cannula and the endoscope, an said irrigation channel and outflow channel respectively, channels being intended for transporting an irrigation fluid and outflow fluid, respectively,
_____ a coupling ring mounted around the cannula and provided with ~~a coupling path for coupling to an irrigation coupling path in fluid communication with the irrigation channel, channel and to an outflow coupling path in fluid communication with the outflow channel, respectively, and~~
_____ a connector mounted on the coupling ring and comprising ~~a communication path for communicating with the coupling path and an irrigation communication path in fluid communication with the irrigation coupling channel and an outflow communication path in fluid communication with the outflow coupling path, respectively,~~
_____ wherein the connector comprises a first pressure sensor facing the irrigation communication path and the outflow communication path, respectively, for sensing the pressure in the irrigation and outflow communication-path paths, respectively, and

_____ wherein the coupling ring is ~~provided with~~ comprises a branch-off path ~~that communicates in fluid communication~~ with the irrigation ~~channel,~~ channel and with the outflow channel, respectively, ~~and in that~~

_____ wherein the connector ~~includes~~ comprises a blind path ~~communicating in fluid communication~~ with the branch-off path,

_____ and wherein the connector comprises a second pressure sensor facing the blind path for sensing the pressure in this blind path.

2. (Currently amended): The endoscopy system as claimed in claim 1, ~~wherein~~ wherein:
_____ the branch-off path is ~~placed~~ coupled to the irrigation channel downstream of the coupling path ~~for coupling to the irrigation channel~~ relative to the transport of the irrigating ~~fluid and fluid,~~

_____ the branch-off path is coupled to the outflow channel upstream of the coupling path ~~for coupling to the outflow channel~~ relative to the transport of the outflow fluid, and ~~in that~~

_____ an irrigation tap is provided for closing or opening the irrigation coupling path to the irrigation channel, upstream of the branch-off path, and an outflow tap is provided for closing or opening the outflow coupling path to the outflow channel, downstream of the branch-off path.

3-12. (Canceled)

13. (New): The system as claimed in claim 1, wherein the pressure sensors are membrane sensors.

14. (New): The system as claimed in claim 1, wherein
the connector comprises a rigid body provided with the irrigation and outflow communications paths and with the blind path,

the first sensor comprises a first deformation chamber and a first membrane and the second sensor comprises a second deformation chamber and a second membrane, each of the first and second membranes being designed to be deformed and to cause pressure in the first and second chamber, respectively, to vary,

the rigid body comprises a first transmission chamber in fluid communication with the irrigation and outflow communication paths and a second transmission chamber in fluid communication with the blind path,

the first transmission chamber is closed off by the first membrane and the second transmission chamber is closed off by the second membrane.

15. (New): The system as claimed in claim 14, wherein the irrigation and outflow communication paths and the blind path are located between the first and second sensors.

16. (New): The system as claimed in claim 14, wherein the irrigation and outflow communication paths and the blind path are arranged substantially along a same plane, and the first and second sensors are arranged on opposite sides of the plane.

17. (New): The system as claimed in claim 14, wherein the connector comprises a polarizing feature and the coupling ring comprises a corresponding polarizing feature, so that a connection of the connector on the coupling ring is polarized.